

JC04 Rec'd PCT/PTO ZU OCT 2005.

Atto Docket No. _

Patent 034279-009

UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of David Philip Williams et al.

Application No.: 10/539,206

Filing Date:

10/539,206 June 17, 2005

Title: ENHANCED OPTICAL WAVEGUIDE

Group Art Unit:

Examiner:

Confirmation No.:

FIRST INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:	
Enclosed is a FIRST Information PTO-1449 for the above-identified patent application	tion Disclosure Statement and accompanying form on.
§ 1.17(p) are also enclosed. Charge to Deposit Account A check in the amount of is Charge to credit card. For	also enclosed. also enclosed for the fee due. s enclosed for the fee due.
	Respectfully submitted,
	BUCHANAN INGERSOLL PC
P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620	By Allian Charles William C. Rowland
Date: October 20, 2005	Registration No. 30,888



NITED STATES PATENT AND TRADEMARK OFFICE

re Patent App	lication of)	
David Philip Will	iams et al.)	Group Art Unit:
Application No.:	10/539,206	Examiner:
Filed: June 17,	2005	Confirmation No.:
For: ENHANG	CED OPTICAL WAVEGUIDE))	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The Examiner's attention is directed to copending Serial No. 11/155,648.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

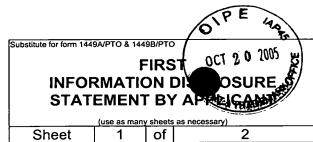
Respectfully submitted,

BUCHANAN INGERSOLL PC

Date <u>October 20, 2005</u>

William C. Rowland Registration No. 30,888

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620



Complete if Known				
Application Number	0/539,206			
Filing Date	June 17, 2005			
First Named Inventor	David Philip Williams et al.			
Examiner Name				
Attorney Docket Number	034279-009			

U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)		
	6,404,966	B1	Kawanishi et al.	06-11-2002		
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	FOREIGN PATENT DOCUMENTS										
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	*00/60388	A1	WO	10-12-2000				Х			Х
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	*02/16980	A1	wo	02-28-2002				X			

NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	*PCT Search Report dated April 22, 2004, for PCT/GB/05673			
	*Great Britain Search Report dated February 19, 2003 for GB 0229826.3			
	*Great Britain Search Report dated April 8, 2003 for GB 0302632.5			
	*Great Britain Search Report dated July 28, 2003 for GB 0306593.5			

Examiner	 Date	
Signature	 Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



NON-PATENT LITERATURE DOCUMENTS
Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
*Great Britain Search Report dated April 10, 2003 for GB 0306606.5
*Great Britain Search Report dated January 28, 2004 for GB 0314485.4
*BIRKS et al., "Full 2-D Photonic Bandgaps In Silica/Air Structures, Electronics Letters, October 26, 1995, pages 1941-1942, Vol 31, No. 22
*ALLAN et al., "PHOTONIC CRYSTAL FIBERS: EFFECTIVE-INDEX AND BAND-GAP GUIDANCE" from the book " Photonic Crystal and Light Localization in the 21 st Century", C.M. Soukoulis (ed.), © 2001 Kluwer Academic Publishers, pages 305-320, Netherlands
*VENKATARAMAN et al., "Low Loss (13dB/km) Air Core Photonic Band-Gap Fibre", Post-deadline session 1 :PD1.1 2002
LITCHINITSER et al., "Antiresonant Reflecting Photonic Crystal Optical Waveguides", Optics Letters September 15, 2002, pages 1592-1594,

^{*}Copy Enclosed

Examiner	Date	
	l <u>.</u>	
Signature	Considered	